

AMENDMENTS TO THE CLAIMS

1. **(Currently Amended)** A conical type diaphragm for a loudspeaker comprising:
an outer peripheral shape defined by a first circle overlapping a second circle,
wherein the first circle has a first center point and a first radius, and the second circle has
a second center point different from the first center point and a second radius different from the
first radius,
wherein the outer peripheral shape of the diaphragm is substantially circular, and the first
circle and the second circle overlap each other with their center points positioned such that at
least one part of an outer periphery of the first circle and at least one part of an outer periphery of
the second circle form a part of the substantially circular outer peripheral shape.

2. **(Previously Presented)** The conical type diaphragm for the loudspeaker of claim 1,
wherein
a through-hole for fixing a voice coil is formed at a center of the diaphragm, and
the diaphragm has an edge-fixing part configured to fix the diaphragm to a loudspeaker
frame via an edge at an outer periphery of the diaphragm.

3. **(Currently Amended)** A conical type diaphragm ~~comprising for the loudspeaker~~
of claim 1, wherein
a through-hole for fixing a voice coil is formed at a center of the diaphragm; and
an edge-fixing part is disposed at an outer periphery of the diaphragm;
~~wherein the outer periphery of the diaphragm is substantially circular, and
the outer periphery of the diaphragm has a shape defined by a first circle and a second
circle that overlap each other with their center points positioned such that at least one part of an
outer periphery of the first circle and at least one part of an outer periphery of the second circle
form a part of the substantially circular outer periphery.~~

4. **(Previously Presented)** The conical type diaphragm of claim 3, wherein

center points of the first circle and the second circle are displaced from a center point of an overall shape of the diaphragm.

5. (Currently Amended) A loudspeaker comprising:
a magnetic circuit including a magnetic gap;
a cylindrical voice coil having a first end and a second end, the first end configured to be inserted into the magnetic gap;
a conical type diaphragm fixed to the second end of the voice coil; and
a frame holding an outer periphery of the diaphragm via an edge,
wherein a through-hole for fixing the voice coil is formed at a center of the diaphragm,
wherein the diaphragm has an outer peripheral shape defined by a first circle overlapping a second circle, ~~and~~

wherein the first circle has a first center point and a first radius, and the second circle has a second center point different from the first center point and a second radius different from the first radius, and

wherein the first circle and the second circle overlap each other with their center points positioned such that at least one part of an outer periphery of the first circle and at least one part of an outer periphery of the second circle form a part of the substantially circular outer peripheral shape.

6. (Original) The loudspeaker of claim 5, wherein
the diaphragm has a third circle, the third circle surrounds both the first circle and the second circle, and the third circle contacts with outer peripheries of the first circle and the second circle, and
a center point of the third circle is a center point of the diaphragm.

7. (Cancelled)

8. **(Currently Amended)** The loudspeaker of claim 5[[7]], wherein center points of the first circle and the second circle are positioned from a center point of an overall shape of the diaphragm.
9. **(Currently Amended)** A loudspeaker comprising:
a magnetic circuit including a magnetic gap;
a cylindrical voice coil having a first end and a second end, the first end being configured to be inserted into the magnetic gap;
a conical type diaphragm fixed to the second end of the voice coil; and
a frame holding an outer periphery of the diaphragm via an edge,
wherein a through-hole for fixing the voice coil is formed at a center of the diaphragm,
wherein the diaphragm has an outer peripheral shape defined by a first circle overlapping a second circle, and
wherein the first circle has a first center point and a first radius, and the second circle has a second center point different from the first center point and a second radius different from the first radius, and the first circle and the second circle overlap each other with their center points positioned such that at least one part of an outer periphery of the first circle and at least one part of an outer periphery of the second circle form a part of the substantially circular outer peripheral shape;
wherein the diaphragm has a third circle, the third circle surrounds both the first circle and the second circle, and the third circle contacts with outer peripheries of the first circle and the second circle, and
a center point of the third circle is a center point of the diaphragm.
10. **(Previously Presented)** The conical type diaphragm for the loudspeaker of claim 1, wherein
the diaphragm has a third circle, the third circle surrounds both the first circle and the second circle, and the third circle contacts with outer peripheries of the first circle and the second

circle, and

a center point of the third circle is a center point of the diaphragm.

11 - 16. (Cancelled)